

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
**USPTO Use Only**

EFS ID: 11688  
Application ID: 09681878  
Title of Invention: VARIABLE VALVE TIMING AND  
LIFT STRUCTURE FOR FOUR  
CYCLE ENGINE  
First Named Inventor: Atsushi Suzuki  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2001-06-20  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: FY16999JP0  
Digital Certificate Holder: cn=Ernest A. Beutler, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: KljMtMN5KA2tEyhoHFQUkQ==  
Total Fees Authorized: \$786.0  
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# TRANSMITTAL FORM

jc474 U.S. PTO  
09/681878  
06/20/01

Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number: FY16999JP0

## VARIABLE VALVE TIMING AND LIFT STRUCTURE FOR FOUR CYCLE ENGINE

First Named Inventor: Atsushi Suzuki

### SUBMITTED BY

Name:

Ernest A. Beutler

Registration Number:

19901

Electronic Signature Mark:  
ferrarilover

Date Signed: 20010620

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

bibd-transmittal

FY16999JP0apds.xml

fee-transmittal

FY16999JP0fee.xml

patent-assignment

FY16999JP0asgn.xml

specification

FY16999JP0.xml

FY16999JP0 Dec Page 1.tif

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**Attached Image File(s):**

FY16999JP0 Dec Page 1.tif

FY16999JP0 Dec Page 2.tif

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health status	0.8	0.2	0	1
Smoking status	0.3	0.5	0	1
Alcohol consumption	0.2	0.4	0	1
Exercise frequency	0.5	0.5	0	1
Stress level	0.7	0.3	0	1
Sleep quality	0.6	0.4	0	1
Work satisfaction	0.5	0.5	0	1
Life satisfaction	0.6	0.4	0	1
Overall health	0.7	0.3	0	1
Depression score	0.2	0.4	0	1
Anxiety score	0.3	0.5	0	1
Loneliness score	0.4	0.6	0	1
Self-esteem score	0.5	0.5	0	1
Resilience score	0.6	0.4	0	1
Optimism score	0.7	0.3	0	1
Gratitude score	0.8	0.2	0	1
Forgiveness score	0.9	0.1	0	1
Compassion score	0.8	0.2	0	1
Kindness score	0.7	0.3	0	1
Generosity score	0.6	0.4	0	1
Patience score	0.5	0.5	0	1
Humility score	0.4	0.6	0	1
Modesty score	0.3	0.5	0	1
Shyness score	0.2	0.4	0	1
Introversion score	0.1	0.3	0	1
Extroversion score	0.9	0.1	0	1
Social skills score	0.8	0.2	0	1
Communication skills score	0.7	0.3	0	1
Problem-solving skills score	0.6	0.4	0	1
Decision-making skills score	0.5	0.5	0	1
Time management skills score	0.4	0.6	0	1
Organization skills score	0.3	0.5	0	1
Planning skills score	0.2	0.4	0	1
Goal setting skills score	0.1	0.3	0	1
Self-discipline score	0.9	0.1	0	1
Perseverance score	0.8	0.2	0	1
Resilience score	0.7	0.3	0	1
Optimism score	0.6	0.4	0	1
Gratitude score	0.5	0.5	0	1
Forgiveness score	0.4	0.6	0	1
Compassion score	0.3	0.5	0	1
Kindness score	0.2	0.4	0	1
Generosity score	0.1	0.3	0	1
Patience score	0.9	0.1	0	1
Humility score	0.8	0.2	0	1
Modesty score	0.7	0.3	0	1
Shyness score	0.6	0.4	0	1
Introversion score	0.5	0.5	0	1
Extroversion score	0.4	0.6	0	1
Social skills score	0.3	0.5	0	1
Communication skills score	0.2	0.4	0	1
Problem-solving skills score	0.1	0.3	0	1
Decision-making skills score	0.9	0.1	0	1
Time management skills score	0.8	0.2	0	1
Organization skills score	0.7	0.3	0	1
Planning skills score	0.6	0.4	0	1
Goal setting skills score	0.5	0.5	0	1
Self-discipline score	0.4	0.6	0	1
Perseverance score	0.3	0.5	0	1
Resilience score	0.2	0.4	0	1
Optimism score	0.1	0.3	0	1
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Problem-solving skills score	0.5	0.5	0	1
Decision-making skills score	0.4	0.6	0	1
Time management skills score	0.3	0.5	0	1
Organization skills score	0.2	0.4	0	1
Planning skills score	0.1	0.		

Comments:

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Attorney's Docket No. FY16999JP0

**DECLARATION AND POWER OF ATTORNEY - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residences post office address and citizenship is as stated below next to my name;

I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **VARIABLE VALVE TIMING AND LIFT STRUCTURE FOR FOUR CYCLE ENGINE**; the specification of which is attached hereto;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**PRIOR FOREIGN APPLICATION(S)**

**Priority  
Claimed**

No.: 2000-203279 Country: Japan Date Filed: 7/5/00

Yes

I hereby claim the benefit under Title 35, United States Code, §120 for any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I hereby acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §156(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**POWER OF ATTORNEY:** I hereby appoint the following attorney to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith (if this application is assigned, We acknowledge that the appointed individual does not represent me, and that instead he represents the assignee): Ernest A. Beutler, Registration No. 19,901, Customer No. 25776.

Received: 6/19/01 7:03PM;

81538329426 -> Ernest A. Beutler, Attorney at ;

2001年 6月20日 11時52分

YMC INTELLECTUAL PROPERTY DIV.

NO. 3648 P. 4/4

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Attorney's Docket No. **FY16999JP0**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: **Atsushi Suzuki**

Inventor's signature *Atsushi Suzuki*

Date *JUN 20, 2001*

Residence: **c/o 2500 Shingai, Iwata-shi, Shizuoka-ken, Japan**

Citizenship: **Japan**

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FY16999JP0US0 dec.

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# FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 786**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 2005  
Expiration Date: 20011231  
Authorized Name: Ernest A. Beutler, Attor  
Billing Address: 92660

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 710

Subtotal For Basic Filing Fee: \$ 710

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 22	103	\$ 18	2	\$ 36
Independent Claims: 1	102	\$ 80	0	\$ 0

Subtotal For Extra Claims Fees: \$ 36

## ADDITIONAL FEES

Fee Description	Fee Code	Fee Paid
Recording Each Patent Assignment Per Property Fee	581	\$ 40

Subtotal For Additional Fees: \$ 40